

Illinois Tool IT

(12) UK Patent Application (19) GB (11) 2 152 171 A

(43) Application published 31 Jul 1985

(21) Application No 8502071

(22) Date of filing 2 Feb 1983

Date lodged 28 Jan 1985

(30) Priority data

(31) 347809

(32) 11 Feb 1982

(33) US

(60) Derived from Application No 8302809 under Section 15(4) of the Patents Act 1977

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(51) INT CL⁴

F16B 25/00

(52) Domestic classification

F2H 11A6DX 11A7 11AX

B3N 5H12

U1S 1382 B3N F2H

(56) Documents cited

None

(58) Field of search

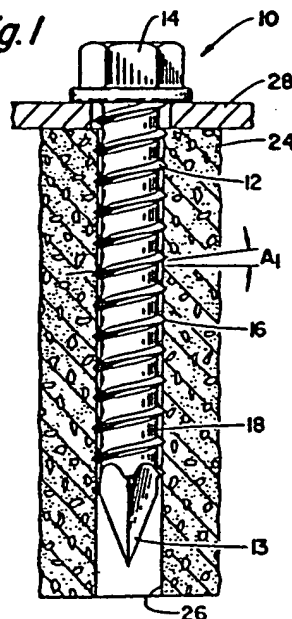
B3N

F2H

(54) A method of securing a screw anchor in masonry

(57) A threaded fastener 10 for anchoring embedment into masonry structures and particularly into masonry structures 24 which include relatively hard aggregate is inserted with a rotational speed not exceeding 250 RPM at torque levels not less than 150 in.lb. (1700 cmN). The fastener 10 preferably has a shank with a spaced, helical, continuous thread 2 extending from the entering portion 13 towards the enlarged head portion 14 for a substantial portion of the length of the shank, the helical thread having a V-shaped cross-sectional configuration with the flanks of the thread intersecting at an included angle A_1 in the range of 50° to 65°; the helical thread extending about the shank at a lead angle A_2 in the range of 6° to 8.5° and the ratio of bore diameter/thread crest diameter being substantially 0.9 to 1.

Fig. 1



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